

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/000407

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁷ B60C23/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ B60C23/02-23/08, G08C17/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

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Kokai Jitsuyo Shinan Koho	1971-2004	Jitsuyo Shinan Toroku Koho	1996-2004

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	JP 2002-240521 A (Pacific Industrial Co., Ltd.), 28 August, 2002 (28.08.02), Full text; Figs. 1 to 6 & EP 1215056 A2	5,9 6,10,11
X Y	JP 10-104103 A (ALPHA-BETA ELECTRONICS AG.), 24 April, 1998 (24.04.98), Full text; Fig. 1 & EP 763437 A1	5,9 6,10,11
X Y	WO 01/17805 A1 (SAGEM SA.), 15 March, 2001 (15.03.01), Full text; Figs. 1 to 2 & JP 2003-519586 A	5 6

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

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"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search
10 May, 2004 (10.05.04)Date of mailing of the international search report
25 May, 2004 (25.05.04)Name and mailing address of the ISA/
Japanese Patent Office

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X P,Y	JP 2003-118333 A (Tokai Rika Co., Ltd.), 23 April, 2003 (23.04.03), Full text; Figs. 1 to 5 (Family: none)	5, 9 6, 10, 11
P,X P,Y	US 2003/0098787 A1 (Sheng Hsiung Lin), 29 May, 2003 (29.05.03), Full text; Fig. 1 & JP 2003-196777 A	5 6
P,X	JP 2003-306017 A (Toyota Motor Corp.), 28 October, 2003 (28.10.03), Full text; Figs. 1 to 30 (Family: none)	9-11
A	WO 01/70520 A1 (BERU AG.), 27 September, 2001 (27.09.01), Full text; Figs. 1 to 3 & JP 2003-528378 A	1-11